

IN THE CLAIMS

*The status of the claims as presently amended is as follows:*

1. (*Currently Amended*) An array speaker system comprising:

an array speaker having a plurality of speaker units arranged in an array, including at least one center speaker unit and a plurality of peripheral speaker units, for emitting audio signal beams with predetermined time differences therebetween so as to control sound directivity; and

a control circuit that imparts a relatively large first weight to the center speaker unit with respect to high-frequency signal components of input audio signals, and relatively small second weights to the peripheral speaker units in the array speaker with respect to the high-frequency signal components of the input audio signals,

wherein the first weight is relatively higher than the second weights,

wherein the control circuit imparts a third weight to the center speaker unit with respect to low-frequency signal components of the input audio signals, and imparts fourth weights to the peripheral speaker units with respect to the low-frequency signal components of the input audio signals, and weights at reduced differences between the weight imparted to the center speaker unit and the weights imparted to the peripheral speaker units in the array speaker with respect to low-frequency components of input audio signals in comparison with differences between the weights applied to high-frequency components

wherein differences between the third and fourth weights, which are imparted to the center speaker unit and the peripheral speaker units with respect to the low-frequency signal components, are relatively smaller than the differences between the first and second weights, which are imparted to the center speaker unit and the peripheral speaker units with respect to the high-frequency signal components.

2. (*Currently Amended*) An array speaker system comprising:

an array speaker having a plurality of speaker units arranged in an array, including a plurality of center speaker units and a plurality of peripheral speaker units, for emitting audio signal beams with predetermined time differences therebetween so as to control sound directivity,

a control circuit that imparts first weights to the center speaker unit with respect to high-frequency signal components of input audio signals, relatively large weights to the center speaker units and relatively small, and second weights to the peripheral speaker units in the

array speaker, and with respect to the high-frequency signal components of the input audio signals,

wherein the first weights are relatively larger than the second weights, and

wherein the control circuit imparts, with respect to low-frequency signal components of the input audio signals, a same weight to all of the center speaker units and all of the peripheral speaker units in the array speaker.

3. (*Currently Amended*) An array speaker system comprising:

an array speaker having a plurality of speaker units arranged in an array, including a plurality of center speaker units and a plurality of peripheral speaker units, for emitting audio signal beams with predetermined time differences therebetween so as to control sound directivity;

a circuit that divides the input audio signals into three frequency bands, including low-frequency signal components, intermediate-frequency signal components, and high-frequency signal components; and

a control circuit that imparts~~[[,]]~~ first weights to the center speaker units with respect to the high-frequency signal components of input audio signals, ~~relatively large weights to the center speaker units and relatively small, and second~~ weights to the peripheral speaker units in the array speaker with respect to the high-frequency signal components of the input audio signals,

wherein the first weights are relatively larger than the second weights,

wherein the control circuit imparts~~[[,]]~~ third weights to the center speaker units with respect to the intermediate-frequency signal components of the input audio signals, and fourth weights at reduced differences between the weights imparted to the center speaker units and the weights imparted to the peripheral speaker units with respect to the intermediate-frequency signal components of the input audio signals, in the array speaker in comparison with differences between the weights imparted to the high-frequency components, or a same weight is imparted to all of the center speaker units and all of the peripheral speaker units in the array speaker, and

wherein differences between the third and fourth weights, which are imparted to the center speaker units and the peripheral speaker units with respect to the intermediate-frequency signal components, are relatively smaller than the differences between the first and second

weights, which are imparted to the center speaker units and the peripheral speaker units with respect to the high-frequency signal components, and

wherein the control circuit imparts, with respect to low-frequency signal components of the input audio signals, a same weight ~~is imparted~~ to all the center speaker units and the peripheral speaker units in the array speaker without applying the time differences to the speaker units.

4. (New) The array speaker system according to claim 1, wherein the third and fourth weights are the same.

5. (New) The array speaker system according to claim 3, wherein the third and fourth weights are the same.